

# IVP 64 GE split delay

<b>Indications</b>	For hematuria, frequent UTI's, bladder ca, renal ca
<b>Diagnostic Task</b>	Detect masses, location of stones
<b>Scan Mode</b>	Helical
<b>Position/Landmark</b>	Head first-Supine Xiphoid S50-I500
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 40mA
<b>kVp/Reference mass</b>	120kv Auto mA (300-700)
<b>Rotation time/pitch</b>	0.5/0.984:1
<b>Detector Configuration</b>	64x0.625
<b>Table Speed/Increment</b>	39.37
<b>Dose reduction</b>	Noise Index 15.86
<b>Allowed CTDI ranges*</b>	7mGy-50mGy
<b>XR29 Dose Notification value</b>	50mGy
	<b>2-3 glasses of water</b> <b>NO CT KUB if patient has had one in last 60 days and images available</b>
<b>Helical Set #1</b>	body thickness recon
<b>Non contrast</b>	recon part spacing algorithm destination
	1 abdomen/pelvis 2.5mmx 2.5mm standard pacs
	<b>50ml or 75ml*ISOVUE 370 @ 2ml/sec WAIT 7min</b> <b>50ml or 75ml* ISOVUE 370 @2cc/sec-then scan CT A/P with 120second delay</b> <b>*weight based 100ml if &lt;250lbs 150ml if &gt; 250lbs isovue 370</b>
<b>Helical Set 2</b>	body thickness recon
<b>120sec</b>	recon part spacing algorithm destination
	1 abdomen/pelvis 2.5mmx 2.5mm standard pacs
	2 abdomen/pelvis .625mmx .625mm standard pacs
	3 sag abdomen 2mmx2mm standard pacs
	4 coronal abdomen 2mmx2mm standard pacs
	5 coronal MIP 5mmx2mm standard pacs
<b>Helical Set 3</b>	body thickness recon
<b>5min</b>	recon part spacing algorithm destination
<b>only done if ureters are inadequately opacified</b>	1 abdomen/pelvis .625mmx .625mm standard pacs
<b>IV contrast volume/rate</b>	110ml if <250lbs 150ml if > 250lbs isovue 370/ 400ml saline
	Performed as directed by a supervising radiologist
	<b>Approximate Values for CTDIvol</b>
	Patient size weight(kg) weight(lbs) CTDIvol(mGy)
	SMALL 50-70 110-155 10-17
	AVERAGE 70-90 155-200 15-25
	LARGE 90-120 200-265 22-35

NOTE\*

\*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.

